

## What is the Palmetto Energy Awards Program?

The **Palmetto Energy Awards Program**, PEAP, is part of "Energy 2 Learn," South Carolina's comprehensive energy education program for students and teachers. PEAP is a special program for students (K-6) like you who want to learn about energy and how it affects their everyday lives and their futures. By completing projects on energy conservation and energy sources, you will earn points toward achieving the different awards.

## How do I earn the Palmetto Energy Awards?

You must complete projects to earn points, and each project must be selected from a different subject category. Projects listed in each category are only examples. Any teacher-approved project will qualify you to participate in the awards program.

You have six categories from which to choose: Art/Home Economics/Shop, English/Language Arts, Library/Home Study, Miscellaneous, Science/Mathematics or Social Studies/History.

Each project must be approved by a teacher who agrees to grade your project when completed. Teachers should use this scoring system: **A=4, B=3, C=2, D=1.**

Students earning 9 to 12 points will receive an energy bookmark. Students earning 13 to 17 points will receive the bookmark and a certificate of recognition. Students earning 18 points or more will receive the bookmark, certificate and an "Energy 2 Learn" T-shirt. In addition, middle school students are eligible to win a \$500 savings bond. There is one middle school winner every year. Please call DHEC's Office of Solid Waste Reduction and Recycling at **1-800-768-7348** for more information.



## Resources

Consider these information sources when preparing your projects. When asking for information, be specific. In addition, please give your name, school address and grade.

- ✦ S.C. Energy Office, **1-800-851-8899** or **(803) 737-8030**;
- ✦ DHEC's Office of Solid Waste Reduction and Recycling, **1-800-768-7348**;
- ✦ Your school or community library;
- ✦ Your local gas or electric company;
- ✦ Your local Clemson Extension Service;
- ✦ DHEC's "Action for a cleaner tomorrow: A South Carolina Environmental Curriculum Supplement;"
- ✦ The S.C. Energy Office's "Energy Factbook: A Resource for South Carolina;" and
- ✦ The S.C. Energy Office's "The Science Fair Project Guidebook: A Resource for Students and Parents."

You can also check out these web sites:

- ✦ S.C. Energy Office at **[www.state.sc.us/energy](http://www.state.sc.us/energy)**; and
- ✦ DHEC's Office of Solid Waste Reduction and Recycling at **[www.state.sc.us/dhec/eqc/lwm/recycle/html/recycle1.htm](http://www.state.sc.us/dhec/eqc/lwm/recycle/html/recycle1.htm)**.



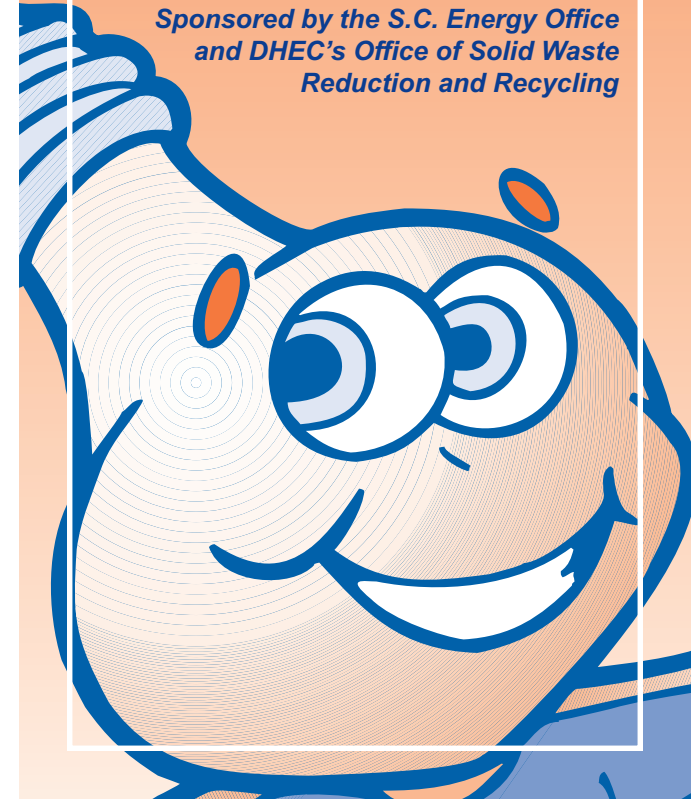
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South Carolina Energy Office  
1201 Main Street  
Columbia, SC 29201

# The Palmetto Energy Awards Program

Sponsored by the S.C. Energy Office  
and DHEC's Office of Solid Waste  
Reduction and Recycling



## Art/Home Economics/Shop

Choose one from below or complete a teacher-approved project (maximum points: four).

- ✂ Design a poster promoting energy conservation or the use of a renewable energy source.
- ✂ Design and draw plans for a solar building (house, barn, school, greenhouse, etc.).
- ✂ Design and make an insulated window covering.
- ✂ Produce a display or bulletin board showing how to conserve energy in your home or school.
- ✂ Conduct an energy inventory of your household appliances and automobiles. How much energy do they use annually and how much does it cost?
- ✂ Build a model of a solar building.
- ✂ Build a solar hot dog cooker.

# The Palmetto Energy Awards Program

## English/Language Arts

Choose one from below or complete a teacher-approved project (maximum points: four).

- ✂ Write an essay on energy use in your school, home or community.
- ✂ Write a research paper, with footnotes and a bibliography, on a form of energy.
- ✂ Write a report on five newspaper or magazine articles discussing energy topics in the state.
- ✂ Write three poems or two stories in which energy is the main theme.
- ✂ Present a 5- to 10-minute speech to your class on how to reduce energy costs in your home.

## Science/Mathematics

Choose one from below or complete a teacher-approved project (maximum points: four).

- ✂ Write a report on producing power from a renewable source (sun, wind, water, wood, garbage, farm crops, etc.).
- ✂ Design and demonstrate to your science class two experiments on energy.
- ✂ Prepare three graphs on energy topics, such as energy production or consumption in South Carolina, U.S. dependence on oil imports or gasoline usage in different countries.
- ✂ Write a simple explanation of a utility bill. Explain the units of measurement and how the bill is computed.
- ✂ Determine how much energy (measured in Btus) is used annually in your school. How does energy use per student compare with your energy use at home per family member?
- ✂ Prepare a chart illustrating units of energy measurement and conservation formulas.

## Miscellaneous

Choose one from below or complete a teacher-approved project (maximum points: four).

- ✂ Write a story for your school newspaper on an energy topic.
- ✂ Design an energy education game.
- ✂ Implement an energy conservation project in your school or club.
- ✂ Construct an energy crossword puzzle using at least 30 energy terms.
- ✂ Design a brochure to teach people how to conserve energy.
- ✂ Design a display showing the effects different sources of lighting (incandescent, fluorescent, candlelight, etc.) have on dark-colored walls.

## Social Studies/History

Choose one from below or complete a teacher-approved project (maximum points: four).

- ✂ Write a biography on a person who has made a contribution in the field of energy.
- ✂ Do a report on the environmental impact of energy use or production.
- ✂ Write a report or give a speech on energy use in the United States during the past 100 years.
- ✂ Do a survey of fellow students' attitudes on conserving energy. Summarize the results.
- ✂ Draw maps illustrating state, U.S. and world energy resources.
- ✂ Do a report on the advantages and disadvantages of an energy source (e.g., coal, nuclear, solar, etc.).
- ✂ Write a report comparing and contrasting the energy policies of Presidents Carter, Reagan, Bush and Clinton.
- ✂ Present a report comparing energy used in your life-style with energy used in another country or culture.
- ✂ Write a report on the likelihood of a future energy crisis or shortage and what we should do to prevent a shortage.

## Library/Home Study

Choose one from below or complete a teacher-approved project (maximum points: four).

- ✂ Do a book report on an energy subject.
- ✂ Compile a bibliography or reference list on three different energy topics using materials available in your school or local library.
- ✂ Watch three television programs or videos on energy and write reviews of them.
- ✂ Keep a diary of energy topics in the news (television or newspaper) for two weeks.
- ✂ Do an energy audit of your home. Indicate where and how energy is wasted or saved.
- ✂ Prepare a questionnaire and conduct a survey of your school or neighborhood to identify attitudes or practices regarding energy conservation.
- ✂ Compile a listing of 10 web sites on energy and briefly describe the contents of each site.